



# MISSOURI BOTANICAL GARDEN

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## GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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# Cuscutae

## Herbarii Academicae St. Petropolitinae

Krugnach June 1858

sp. retic.

*C. Kardica* n. sp. Kotschy 388. f. <sup>sub nom</sup> *C. minor*.  
*C. Epilinum* 85 Graff, (Kasan ?) <sup>Kardsta.</sup>  
Petropol. 1823 H. Mertens  
Sine loco, H. Schröder  
Koch. <sup>europaea Koch & Ziz.</sup>  
Quashenbrück <sup>Cat.</sup>  
Schlesien  
Lever, *C. europaea* (S. minor, Wahlebey)  
Seaports, Schultz N 408. f.  
Jall & Germ. exsic.  
Chemnitz, Reichsb. fl. Germ  
exsic. 19.

*C. Europaea* D. T. Gland  
Bijum  
Linn  
Rumelien <sup>monogyna Trinell</sup>  
Petersburg  
Stockholm  
Caucasus, Hohenacker 409  
Ural, Helm  
Baical Turozani now 1834  
Dakuria, " " 1825



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2) *Coronaria* *Europaea* *Sarcata* Becker, *J. Hermann*  
 sp. " auf *Microphysa rubicunda* C. T.  
 Wolga  
 Sibiria in Hb. Stephan  
 Altai, Gebler N° 234 1835  
 " Dimitri N° 46  
 pedicellata sp. " Gebler  
 sp. Songarica an der Ufer der Tschu  
 A. v. Schrenk. 1843 N° 307.  
 auf *Arundo* *Equisetum* etc.  
 Derbend, Kotschy N° 692 H. R.  
 on *Dipsacus* bot.  
 planiflora sp.  
*C. Europea*, var. *planiflora*? - Sepia auf sp.  
 Alhagi *Camelorum*, *Sarcata*, Becker  
*C. brevistyla*? - Songaria, A. v. Schrenk,  
 H. Fischer  
*C. brevistyla* Adans, Schinz 1486.  
*C. planiflora* turcica Algar, Bové  
 Algarbia, Welwitsch N° 644  
 Aorabid, " 192. (649?)  
*C. planiflora* approximata  
 Becker Eloy 1418. Went  
 Ural, Helon  
 Karolii 1832  
 Iberia  
 Orenburg  
 Taurus Kotschy 1836. N° 957  
 Caucasus, Wittmann 273  
 Caucasus, Hohenacker 1673  
 Elisabethgrad (Thal?) on *Hypéricum*  
 1824



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*C. planiflora approximata*  
 Flor. Transcaucasie, Kolenati N<sup>o</sup> 2485  
 " " 1757 Epithymum  
 " omnes herbas obductas" 1844 -  
*Iberia*, Wohlwill  
*Tokat*, *Aris minor*, & Wiedemann  
*Amman*, *Aris minor* " 1835  
 Taurus Kolatch 1826. N<sup>o</sup> 357  
*Armenia* Szovits  
 Kasan, ? Griff. H. Fischer  
 S. b. s. ? on Artemisia *C. asiatica*  
 Saragat, Becker *on Artemisia*  
 " " " *iodora* - *C. planiflora* sp.  
 " " " *on Thymus & Galium*  
*Bozganis*, A. v. Schout 1863 *C. pedicellata* ?  
 " " " *on Medicago, Atticus, Galathaea*  
*Alatau*, Karsh & Kiriloff. 1721. Europe  
*Tehran* Kotulsky 580. *anthypnion* Epithymum  
 23 July 1843  
*C. planiflora Schiraziana* Kotulsky 118. 318.  
 Abuschie  
*C. Palaeistica* Bissi *Mirabilis* Siber *C. Epithymum*  
*C. Epithymum Germanica*, Anglia  
 Gallia, Paris  
 Reichenbach exsicc. 1380. *C. Epithymum*  
 Bötger, Fauchieri - in Reichenbach  
 exsicc. 2069 *C. planiflora*  
 Fl. Gall. Germ exsicc, Schultz. 407  
 Lusitanie, Welwitsch 1048 *C. microcephala*  
 Bessarabia H. Fischer  
 Caucasus



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*Cuscata*  
*Epithymum* J.

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Cuscata Epithymum

sp. Caucasus, Hellendorf, Hohenacker  
sp. Queschet, (Caucasus?) No 1936  
sp. Elisabeththal, No 584 leg Triell  
Anglia, culta. [37]

*C. Epithymum subrotundif. s. austrolic*  
Jellie menziesii Salzmann 22  
fl. Lusitana 712 por. Bombal, Beira  
ad portos Taggeta, Heldreich.

*C. Epithymum var alba*

*C. Silvatici* J. Presl. 1820.  
(H. Mertens)

*minor*

*C. Epithymum var? obscurula*  
Heldreich. Heldreich June 1855

*C. pedicellata* Bunge N. 39 1829  
(ex H. Fischer.)

sp. *C. Koschnyei* Boiss. Armenie Szovits  
Hoo - channur ad Sarepta  
Pallas & H. Fischer

*C. Europea* Epithymum

exactly the same specimen in  
H. Stepanianum with the  
number: 798 Insch. C. n.

*C. Arabica* Auctur. Eleg 1418  
Schleicher 140

C. Africana Th. C.

*C. angustata* asp. C. Africana Th. C.  
Drege



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Cuscuta Petropol 2

*C. nitida* E. M. Drzez  
Hab. Harvey No 460  
Hottenbolls folland

*C. reflexa* Neppel, Hornemann  
Hab. Schröder (sine loco)  
H. Fischer

sp. nov. 10" Hayne - H. Fischer. *C. pentandra* Hayne

sp. *C. colorans* Maxim. Prim. fl. Amur.  
Kirilow, Petkin *C. colorans*

*C. monogyna* L'Her

Regnier, Avignon  
delile, Montpellier

sp. Kasan Griff. 87 very large fruits

sp. Atta' Hab. Schangin & Verato *C. europaea*  
very large  
Podolci

Kuh Daina, Kosuthy 713 Pers. austr

*Laronia* in *Rosa canina* Doer  
ortzheim, Rubus etc. Thad. Orphanides

Balcan x. Rumenia Trivaldske <sup>N 281</sup>

Atta' Helderich 2773, on Rubus

Iberia wilhelms

Caucasus, Elisabethopol, Holland

Persia, Helenedorf, 1

Persia, Buhse 28/7/47

Dahuria

Kli Dagh Sz eben (Asia minor)  
Dr Wedemann



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sp. *Cassia monogyna* Soongarei, Schrenk sp.  
in Gramineae

*C. europaea* sp. *Alata*, Soongarei Schrenk. 3 Sept 1843  
(large fruit)  
Cannas, Wittmann  
Krasnojarsk H. Fischer  
Sarepta a  
Kasan, Griff a

*C. monogyna* ovario ante, longior  
sp. *Elisabethae*, Frick 853  
Kiev  
Volga

*Cass. caprifoliflorus*  
Silesia, Guenther & Schumm. Herb. Siles  
Cent. M. 17. in Salicibus, Ruba,  
(Quercus, Ulmo - Populo)  
Sudeten, Starke (H. Mertens)

sp. *Soongarei*, in der Kar Karaly Bargan  
Schrenk 229. July 1843  
(ad Rubus)

*Altai*, Gebler N 180. 30 Mai 1830  
inter Tanair et Volga, <sup>lutea</sup> Fischer 1809  
flor. peduncul. (cypathum)

sp. in Walden fräsig, Sarepta 1851  
st. Becker

in Süden der Ukraine wird sie  
gezogen bis zur Wolga, aber  
nördlich Ural 20 bis 30 km  
nördlich des Gotischen Fischer  
Dakuria, Vlasoff 1809

in montosis inter Ust-Kamenogorsk  
et Buchtarminsk frequentissima  
Kiril & Kiriloff 1840 N 926

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5183  
sp. *Cornuta capuliformis* Dahurica ad fl. Angaram  
Turzaniow 1833. monogyna

sp. *Cornuta systyla* Maximowicz Primis  
flor Amur 31/7 1855. Turcane  
and alt., in Asturips & Clematis  
Gleaff. Ussuri. Mts. Amur  
Amur, auf fruchtigen Bergen  
Westerl. des Ussuri) Wurzel & Riz. vegetif  
oben alle in Truangan Mts.

3/8 56.

*C. Lehmanniana* Bunge

sp. *Dahurica* in plaitibus et monstrosis  
var. plantis iunioribus ad fl. Angaram monogyna  
Turzaniow 1833

sp. *Scripta*, inter Tanain et Wolgan

- Lathyrus et <sup>He</sup> Fischer 1809  
- H. Fischer, Hochrad, H. Mestey  
Ustup des Alaten, Espe in olden  
Songarei; Schrank 10 July 1820

sp. *Songarei*; Schrank June 1843

W 306. b: *an der Ufer  
der Elbe*

sp. *C. hyalina* Rott. 6 Jol & Heyne

- H. Fischer  
(in Boissier's *C. oxyptala*, or ~~americana~~  
*Triantha*?)

sp. *C. hyalina* Heyne Rott. nov sp. Pl.

det. Rott. Apr 1844 [H. Mestens]

*C. chinensis* Cayon, Macone, B. B. H. Soc. Holland *C. reflexa*

Peninsul. Ind orient H. Wight prop.  
2408.



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*C. fimbriata* Bunge *Cass. obovata* in pratis Mongoliae Chineas  
1821. Turczaninow

*C. fimbriata* Bge sp extra muros urbis Pekin. leg. Dr. Tatarinoff  
Nom. Kotschy 431 (1861 1<sup>st</sup> Sept.)

*C. Popayanensis* Columb. Mont 189  
var stylata sive Mexico, Berlandi  
N 822 Lepid.

*C. Americana* Adanson D'Angelas  
Ind. Acad. Hornemann 1822

Hispaniola Rudolphi  
Barbados in Sepibus Salmann

sp. *C. Barbadoes* in Antillenleg. et  
Curaçao, April.

*C. variegata* in Malvaceis Fr. & Paul  
Feb. 1827 Riedel

Bonpland 1826 Riedel

sp. Rio Janeiro 1832 N<sup>o</sup> 695 Riedel  
Monte, no<sup>o</sup> 941 Jan.

sp. var. compacta Bonpland Riedel xx  
miniatu? N<sup>o</sup> 990. Bonpland Riedel  
Serra da Lapa Nov. 1824

var? Lichler 379 Valdivia

*C. Sandwicensis* Chois

sp. Oahu Eichscholz

sp. Adm. Ins. Sandwicensis

sp. Oahu Stewart

sp. Oahu Diamond Hill 6/5-1853

May, nowitsch



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Cuscut. Retropol 3

sp. *C. australis*, Aug 17 in Daboden, Sarrept. sp. *C. europaea*  
Becker 1853

sp. N. 227. inter Altak & Jenotajevsk  
Liemaschko

1019. & 730 *C. chrysanthemi* Wedd. *C. chrysanthemi*  
Beira - its Welwitsch 1858-59

*C. avensis* Texas Wiedemann

*N. Carolina* Curtis (Engl.) *pentagona*  
Illinoi var. ~~midwifely~~ Gepp (Engl.) *pentagona*  
*Carolina* Bagnall *pentagona* var  
sub nom. *avensis*

var ~~vernonae~~ *Texas*, Dammer 267

*C. chlorocephala* sub nom. *C. Polystachys*  
Illinoi Engl. many sp.

*C. decora*, var *leptophylla* Gilbert  
Linnaeus *multiciliata* or

*C. reflexa* Illinoi Engl. *Composita*

*C. tenuiflora* Illinoi <sup>Plumosa</sup> Bagnall *Cephalanthus*

*C. rostrata* (L.) Carl. Gray *Oxyacarpa*

*C. pronovi* (numerous species)  
Georgia Superior Bagnall *umbrosa* Bagn  
Lexington Ky. Preswell *americana*  
Canada Goldie

Beardstown, Georgia *vulgaris*

Illinoi : Engl. *vulgaris*

var *planiflora*, Engl. Illinoi Schum

var *bonariensis* Herb Schraden

sp. var *stylos longitarsis* Auerb  
ex hb. Metteng



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*C. Jalapeñi* Flapp Schiede  
maj 29

*odorata*

*C. Chilensis* Ulpaniso, Kastalsky  
Chili, Poeppig

" Eichschög

" Cuming

Quillota, Chili Martí 1853

Maximowitsch N. 90

sp. Chili Maximowitsch N. 30

*C. odorata* flores albo, stigm. globoso -  
capitata squame triangulares  
fructuosa - divisa - Maximowitsch  
on shrubs  
Quitrada verde, Ulpaniso N. 86

sp. *C. fiadonis* in Queretaro, inter  
Victoria et Rio Blanco 1842.

Krasowskis

*C. compacta* Juss. North Carolina, Gray  
New Jersey, Cooper  
Georgia super. Bigrock  
St Louis (abundant)

Lepid. Composit.

*C. glomerata* Miers Engelm

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*Cuscuta hubregt.*

*Berolii*



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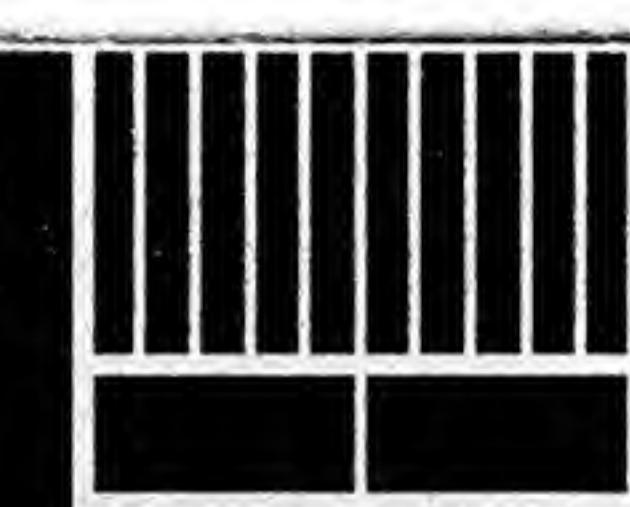
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Herb. Burli

*C. europea* H. Demidoff. is partly European  
(or Asian) & partly *C. Epiphyta* (or *Lotus*  
& *Engystomopodium*)

*C. Lehmanniana* H. Bunge  
Africa & Asia

*C. capillaris* Willd. 1321 looks like *C. rotunda*  
I believe I have exclud. it —  
on *Vitis* (?)

*C. rotunda* — Ind. (?) — a *C. capillaris*

Sellow 2257 — *C. rotunda*  
(c. 2289)



Proprietary 4,760,000 ft. sq. in.  
Riot, etc. millions.

9815



cm

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1. *Herb. Barolin* var. *contorta*  
*C. Sandwicensis*! *Gaudichaud*! *laevigata* and t.  
 2. *Chili*, lesson; *Caso. chilensis* var. *lutea* brown, incisive.  
*C. mucronata* Mart. *Gaudichaud*, Rev  
 3. *C. stenolepis* var. *spicata*, Gaertn. *Tunnic. Hall*  
 and *spicata* (§ *canis*)  
 4. *C.* *Rio Gaudichaud*. No. 2. is probably  
*C. mucronata* with larger Calyx  
*C. mucronata*. *Borbore*. *Balbini*  
*Pl. Thomas*, *Plie*  
*C. mucronata* *Bentham* *Chili*  
 5. *C.* *Gray* "  
 6. *C.* *yellow* *Rev. & (B. 2251. c. 2289)* *Bentham*, *mag*  
 7. *C. decurva* *W.H.* *Bentham*, *new sp.*  
 8. *C. ciliata* *var. ciliata* *Bentham* *new sp.* *2621* *coll. Gray*  
 9. *C. ciliata* *var. ciliata* *Bentham* *new sp.* *2689*  
 10. *C. dubia* *Gray* *yellow*, *Basilic* and *spicata*  
*C. mucronata* *Cili* *Gaudichaud* *new sp.*  
*C. compacta* *Gray* *new sp.* *C. mucronata* *Gray*.  
*C. mucronata* *Gray* *Georgia*  
*C. mucronata* *Gray* *New York*. *long petiolata*  
 11. *C. mucronata* *Gray* *long petiolata*, *sparsim magnis*, *small*  
*flowers*  
*C. umbrosa* *Gray* = *C. mucronata* *Gray*  
*C. mucronata* *Gray* *Carolina*  
 12. *C. mucronata* *Hedw. & Sart.* on *Daphne* *bux. folia*  
*Parnassus*, Aug. 1855. *Quicciardi* *leg.*



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15 *C. acuta leucosphaera* Boiss & Heldreich  
 in *Sparti & Hypero*, *Olympia* Arnoux  
 J. Guicciardi 1855

16 *C. elliptica* Heldr. & Sart. in *Spiae* Bux. John  
 Arnoux. J. Guicciardi 1855

17 *C. acuta* Desv., Heldreich, subspicata, on *Thymus*  
 1855

18 *C. europaea* Anderson, uppsala ~~Uppsala~~  
 in *Platijas* on *Galluna*, Danie, Anderson

19 *C. africana* <sup>nitida</sup> C.B.S. H. Lick

20 *C. Crithmum* <sup>nitida</sup> L. L. Link

21 *C. Crithmum* <sup>C. filiformis</sup> L. L. Link

22 *C. fusiformis* in *Stachys* radicata C.B.S., pedunculi p. 3  
 flor. coll. 4-5. dis., una minutissima remota  
 Herb Willd. 3156 Roem & Schult VI. p. 203 (1820)  
 sub nom. *C. fusiformis*

*C. graveolens* seems to be the true *C. acutissima*

*C. africana* in *Arboribus pensilina* "most like!"

in *Arboribus pensilina* "most like!"

in *Arboribus pensilina* "most like!"

*C. nodosa* Willd. 3164 albovis antice obtusis  
 aculeatis apiculis levibus acutis asperis  
 capillaris loculis crenatis

Wherefrom? perhaps <sup>obtusiflora</sup>

sp. *C. densiflora* Hook New Zealand Syall

*C. acuta* nitida! Dryer

23 *nitida!* C. Kuntze & J. Gaynor 21. 1. 11 (1 Nov. 7)

" sub-nom. *C. africana* coll. Beringas

24 *C. africana* <sup>capensis</sup> Mans & Maire 5.



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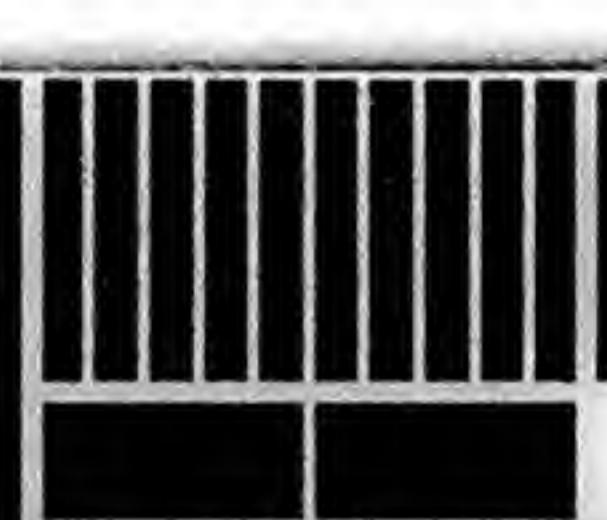
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25) *C. pertusum* 7. C. B.S. (C. me. & Marce /  
 " *C. apicinum minor*" 8. C. C. B.S. me. & Marce /  
 " *rapibus*" C. B.S. me. & Marce /  
 26) *C. nitida* 9. C. B.S. me. & Marce /  
 27) *C. fusciflora* ~~arborescens~~ 10. C. Hangkeipp. C.B.S. Fe 1821  
~~C. fusciflora~~ ~~arborescens~~ me. & Marce /  
 28. *C. nitida* 12. C. Mar. & Koen varie spicillar  
 29 *C. nitida* 13. - - -  
 30 *C. papensis* fl. panic. on Kigellar 22. C. sp. nov. C.B.S. 70.10 E. Kell & Jeph  
 31 *C. charis* Linn. 1320.3 J. Martabanis 1827  
 n. sp.  
 32 *C. fusciflora* 14. 11. panicul. Ind. or.  
 2408 Hb. Wight prop. or.  
 var. filif. - on Cichorium  
 33. *C. magothae* Hb. Wight. prop. 2320. Ind. or  
 34. *C. Othensis* Chav. 155. P. Port. C. C.  
 fl. glomerat.  
*C. Coryli* is *C. umbrosa* B. - and  
 completely ought to be the name  
 Col. Chilippi - herb. veg. Desol. has a specie  
 of *Cerato* for *Othili* which belongs to  
 monogram - it is perhaps the same as  
 the Tex.-plant. - if no mistake  
 and the same label I find  
*C. annuum* ! Cutt. year, Columbia



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I have mainly examined the  
Canyon Countries

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~~to next and follow~~  
~~Canyon Countries~~



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2845

Cassia

Herb Willson

Bal: April 1857

3153. *Cassia europea*

1. is no doubt *E. Galpinum*

2. *C. europea* capsule axonion

3. "

4. *C. Cappitatum*; ~~England~~

3154. *C. Cappitatum*. on lava, England, Dickson

3155. *C. grandiflora* Humboldt *is Camptia!*

3156. *C. funiformis* Cap. b. sp. ~~can not be made out~~

3157. *C. cygnosa* = *C. popayanensis* Kunth for Molukh Thunberg

sp. large loose cymes, large ovate obtuse lobes  
of calyx, papillate = anastomose;

3158. sp. *C. fastidiosa* Humboldt



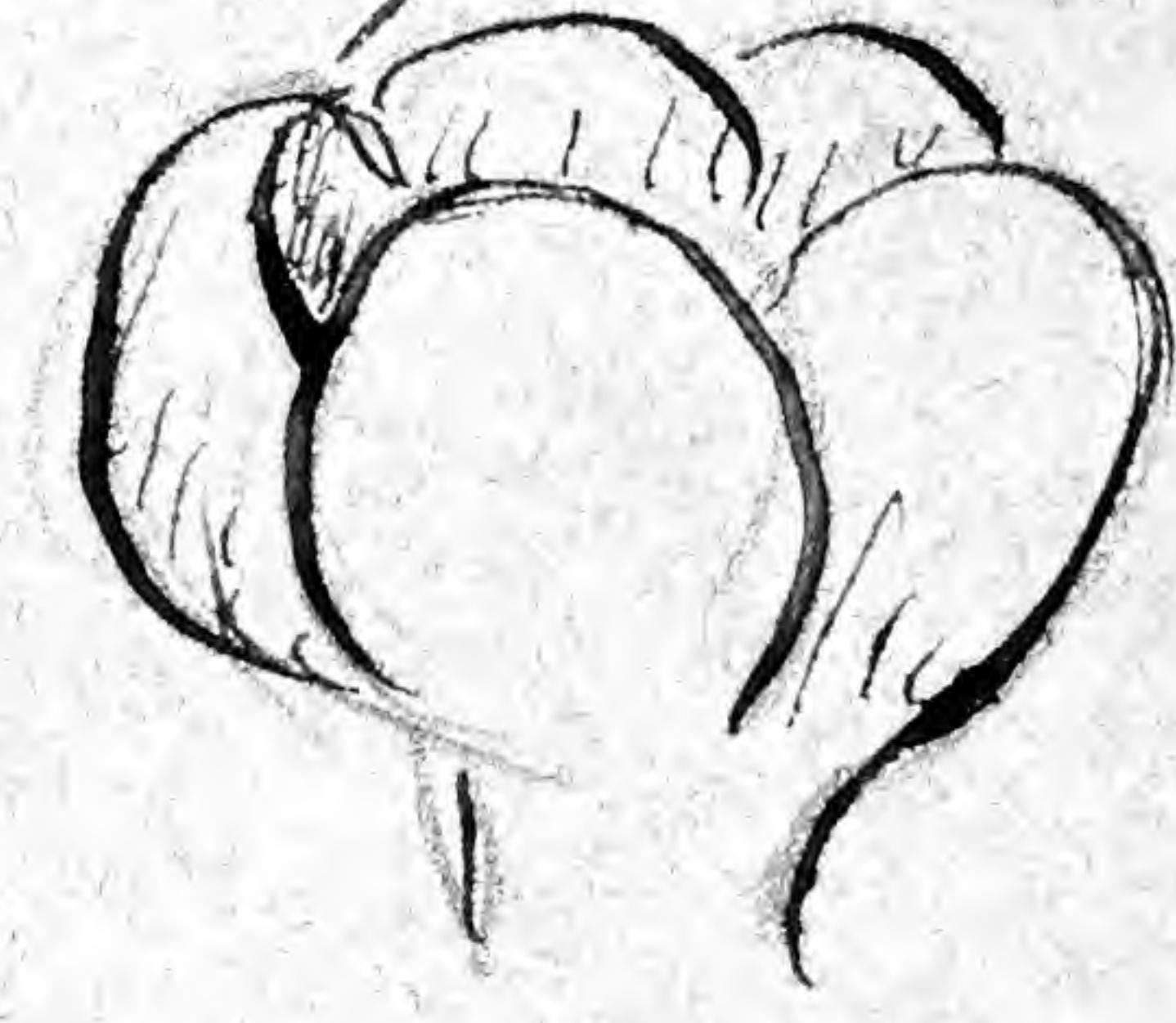
3159. *C. Africana*

sp. Kloepfli <sup>1</sup> *C. goniocarpa* Kunth "  calyx & this = camptia  
with corolla scarcely exert, lobes exert, of anthers  
of same length

2. a very similar plant "Suffringi"

3. *C. floribunda* " a stout red calyx & persistent  
lobes concave, almost orbicular

sp. disposal of capsule  
persistent, lobed!  
Corolla & capsule gone!



3160. *C. Griseovii* looks a little different from ours  
very lax cymes — but apparently our plant

3161. *C. africana* Cap. b. sp. on trees (Myrsinaceae)  
athiopica etc) very loose cymes  
short compound calyx, lobes  
ovate cuspidate — lobes of corolla  
elongated erect and rounded



3162. *C. monogyna*

Chay



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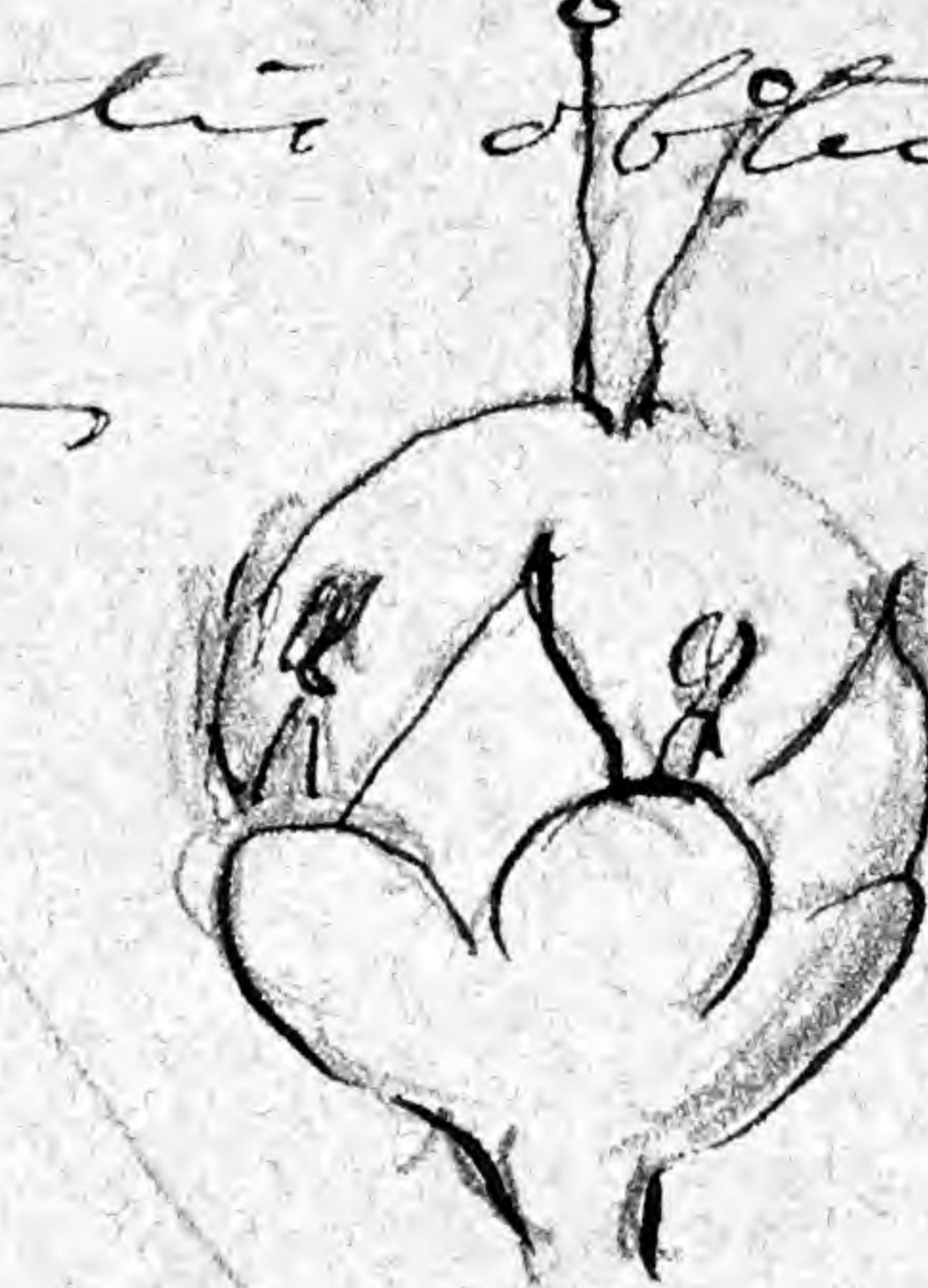
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3162 *C. parviflora* a considerable specimen  
sp. cal. obovate-ovate lobes of corolla  
linear elongate rounded  
3164 *C. nodosa* cal. lobes obviate ovate oblique  
sp. corolla ad basia capsular sessilis  
lobis corolla triangular acute  
3165 *C. some nominis* for *Carolina*  
is *C. compacta*!



*Cuscuta macrantha* D. Don Himalaya George  
S. W. Hoffmester in Nat. Pflanzen Wiss. von  
Bruss.



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*Cuscuta Herbari regii Berolinensis*

1. Europaeae

1. *Cuscuta Epiphyllum* Silesia, Günther !  
2. *C. (minor) Russica australis* Grindoff. = *alba* ?  
3. *C. (planifolia) Botzen* — = *meridionalis*  
4. *C. (Epiphyllum) Mirabellia* Stieber = *nitida*  
5. *C. Epiphyllum* Silesia, Günther !  
6. *C. monogyna* Silesia, Günther !  
7. *C. europaea* N. 4 Russia Lessing a. Urticae  
8. *C. capillaris* N. 6 Russia merid. Lessing a. Lygin  
9. *C. meridionalis* N. VIII Dalmatia Ehrenberg on *Sparrmannia* meridionalis

2. Asiaticae

10. *C. edrophila* Russia merid. & ~~Chin~~ Demidoff Epiphyllum  
11. *C. reflexa* Calcutta, wallich = *matthiae* ?  
12. *C. sinuata* Ind. Orient. = *chrysanthemum*  
13. *C. grandiflora* Nepal Wallich = *matthiae*

3. Africane

14. *C. nitida* ! Cap. C. spec. Dreye !  
15. *C. apiculata* ? N. 14 Cap. C. spec. Bergius  
16. *C. apiculata* ? N. 15 <sup>nitida</sup> Bergius  
17. *C. capensis* grandiflora N. 5 <sup>plana</sup> <sup>nitida</sup> <sup>var. capensis</sup> Mund et Maine  
18. *C. pentaphylla* N. 7 <sup>apiculata</sup> <sup>var. capensis</sup> Mund et Maine  
19. *C. capensis* N. 8 Mund et Maine  
20. *C. nitida* N. 9 Mund et Maine  
21. *C. fumigoides* N. 11 Mund et Maine  
22. *C. nitida* N. 12 again examined and confirmed !  
23. *C. nitida* N. 13 Mund et Maine

4. Americanae septent.

24. *C. Griseb.* H. Willd. 3160. = *C. vulgina* minor  
25. *C. umbrosa* Georgia Beyrich = *C. coryli* E.  
26. *C. coronata* Georgia Beyrich = *C. compacta* Juss. &  
27. *C. avensis* Carolina Beyrich = *C. pentagona* E.

5. Americanae australis

28. *C. foetida* ! H. Willd 3158 Humboldt (glomerul. densifloris multijuga)  
(*Pyrosma*) ! H. Willd 3157 Humboldt = *Papaveraceae* ?  
29. *C. grandiflora* ! H. Willd 3155 Humboldt  
30. *C. americana* ! H. Willd 3159. Cumana Humboldt  
31. *C. umbellata* ! H. Kunth <sup>Asclepiadaceae</sup>  
32. *C. oblongiflora* ! H. Kunth ) Peru. )



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## C. Cusonaria Annu. auct.

C. papayensis Kunth, Chili, Poeppig  $\supseteq$  auctiflora sp.  
 C. odonata R. & P. Chili Poeppig  $\supseteq$  chilensis Ker.  
 C. odonata R. ex herb. Arizona  
 C. corymbosa A. & C. ex herb. Arizona  
 C. chilensis Ker. No. 1. Chili Philipp  
 C. " " " No. 2. Chili von Besser ~~impossible~~ proflora  
 C. auctiflora sp. No. 3. Chili von Besser  
 C. stylosa Chois 822 Mexico Berlandier  
 C. chilensis K 155 Chomisso  
 C. Carrichtera! 10. Haiti C. Shrank  
 C. americana Lin! Haiti C. Shrank  
 C. chilensis Poepp. ex herb. Berlin  
 C. hassiaea Opizff. - Cassel.

C. ottinifloraC. floribunda H. B. K.

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Cusonaria of herb. Berlin. not included in the above. May 1<sup>st</sup> 1857

C. Kotschyana Boiss. Kotschy 749  
 sp. C. Monogyna Willd. Swiss. Kotschy 413 - alp. Kuh Daire  
 C. - Kotschy. Persia australis  
 C. densiflora Hook. New Zealand. Hyall  
 C. nitida S. M. C. B. S. Jeffer ex herb. Sonder 1235  
 C. capillaris Willd. 1321. metabaria sub. sp. H. sond.  
 sub. lobata fr. granulat. auct, tel. mollis vegetabilis Javan  
 C. monantha Don. Willd. sub. C. guttiflora 1318. Nepal  
 C. reflexa Roxb. Willd. 1319. 2 ex herb. Colomby  
 C. subrotunda Roxb. Willd. 1320. 2 Herb. Heyne. C. sibirica Heyne  
 subsp. capillaris  
 C. Lehmannii Bunge. (Alex. Lehmann Kielg. Botan.)  
 subsp. (filiform) subsp. rotunda floras sp. sp. australis  
 (of monogyna)  
 C. (monogyna!) Zollinger, Java, 2839  
 subsp. puniceolata etc.  
 C. Zoll. 's Java N. 355 seems the  
 same, but not developed.

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13. *Cuscuta grandiflora* Willd. 1318. *Nepalia* 1821 Wallich. leg.  
"Undoubtedly the same as Herb. Hooker, lobis corollae dorso revolutis  
like all other specimens also. Flowers smaller than in L. & delhorti.  
Specimens H. Hook 33. a.

14. *Cuscuta reflexa* Roxb. 1319. 2 *Calonthe* Wallich  
A very incomplete specimen, no flowers, only bud and some  
oligos past flowering. — In these it would appear as  
if the stigmas were deciduous? — Stigmas seen  
only — one calyx, sessile, conic, but a little divaricate!  
lobes of corolla apparently much erucate — Very possibly  
the same as H. Hook 31. a. — Calyx very verrucose along  
the carinae, lobes oval oblong.

15. *Cuscuta sulcata* 1320. 1. Wallich — must be a mistake —  
it is *C. grandiflora*, and probably from the same specimen  
as the first, above.

*Cuscuta umbellata* Humboldt ex Herb. Kunth. Specimen authentic  
Humboldtianum — coll. inter Quentino & Salazar anha  
caule capillaceo, floribus umbellatis — perianthes, 5 parted  
petalostylifere plumbis longioribus, calycis capsula membranacea  
nudis glandulis paucis adsperso, campanulata ad  
medium stolidi segmentis triangularibus <sup>antrorsum</sup> ~~oblongis~~  
stibus corollae campanulata superatibus,  
lacinis corollae linear-lanceolatis obtusis <sup>usque ad apicem</sup>,  
~~deinceps reflexis~~  
tubo longioribus, staminibus limbi natis brevioribus  
filamentis <sup>capillaceis</sup> foliiformibus, anthers oblongis, squamis  
tuber excedentibus convergentibus, crenulato fimbriatis,  
varia stylopodiae stylis tenuissime filiformibus <sup>capillaceis</sup>  
ornata stylopodia coronata longioribus  
stigmas capitatis. — elongated

Calyx membranaceous, with longitudinal cells (similar  
to *C. amurensis* etc.) and a few sparse glands, longer  
than tube of the corolla. — Stamens inserted and —  
the few flowers examined (filiform very thin) styles  
also curved or somewhat circinate at apex.  
Ovary in both flowers evidently apiculate with  
a stylodium. —

Difference from the Rocky Mountain plant: calyx  
less deeply divided, lobes broader, some glands on it,  
lobes of corolla reflexed, filaments hairlike shorter,  
scales less deeply fimbriate, more erucate, ovary appar-  
ently with stylodium, and styles longer.  
probably only varieties!

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*Cuscuta obscuriform* Humb floribus gommatis, singulis breviter  
pedicellatis 5 partitis, calyx transverso membranaceo  
ultra medium partito, lobis crester obtusis, obesus tubum  
corollae compandato superanteibus; laevius corollae cantis  
deum patentibus, <sup>ovatis</sup> obesus tuba reguantibus; staminibus  
limbo paucis brevioribus, filamentis subalatis, anthers  
ovatis. — squamis parvis mediis tuba reguantibus  
lobatis s. fisis, ovulis depresso, stylis (nudis)  
ovis depresso-globos — reguantibus. —

Resembles a good deal *C. amaranthina*, in the texture and  
~~shape~~ of Corolla & calyx, but styles short, stamens  
longer, lobes of Corolla longer, scales different,  
corolla (probably) at base of capsule. —  
Faint resemblance to *C. Grisebachii* but distinguished  
by texture of Calyx & Corolla and by orange  
flowers smaller.

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Hector. Musci cor. Mila.

*Cartia turgida* Thunb. S. Sicilia Compte  
alba Bile Jan lg. Sicil.

tubulos. Paul Bock. ~~Pann.~~

~~heterophyllum~~ = *C. Europ. fl. minor*  
~~Fries ex. it.~~

= *C. long. fl. minoribus*



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Casuarina herb. Hort. Bot. Genueus

*C. monogyne*, Bemmive = Vito  
Grana - ~~Acce~~ oratio

*C. caprifolii* S. Cesia

*C. antiflora* Rote! = Epith. var. *h. mag.*  
Paludi della Menocca (Pavia)  
Padule Salte (Epilobio?)

*C. Cesatiana* de notari leg. Treccate (Novara)  
(Ticino?)

*C. European conoarpa* = Galion Mollogine  
Triniti (Nizza)

*C. macroleus* Lyonn

*C. curvatissima* Corsia

*C. major* Aprutio, (Cratag oxyanth parasit)  
leg. Huet du Pailler 1856.; from paniglione  
nde riva rig. di sole

*C. major*. = alp. maritima (P. C.)

*C. Epith. var.* - Leph. sphacel, Genoa!  
alp. marit. (Alberga 40. m. d. a. grana)  
flor parallela penis in Galia et. Rhyme  
In Nigra ad rip. maris fl. hospitale  
majalis - = Crithm, Culinary  
Mentha.



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